Amendments to the Claims

1. (Previously Presented) A data transmission system comprising at least a data transmission network based upon an IP protocol, at least a content server for providing data requested by a user connected to the network, a plurality of proxies having a cache function, each proxy capable of having stored the requested data, one of the proxies comprising a user proxy which receives any request for data from the user, and a domain name server for converting a server name provided by the user to the user proxy into an IP address of the content server;

      wherein the domain name server includes a table for providing an IP address of a proxy amongst the plurality of proxies capable of having stored the requested data, the table providing the proxy IP address to the user proxy, which provides the request for data to the proxy storing the requested data without requesting the data from the content server.

2. (Previously Presented) A method for obtaining data in an optimized way in a data transmission system comprising at least a data transmission network based upon an IP protocol, at least a content server for providing data requested by a user connected to the network, a plurality of proxies having a cache function, each proxy capable of having stored the requested data, one of the proxies comprising a user proxy which receives any request for data from the user, and a domain name server for converting a server name provided by the user to the user proxy into an IP address of the content server;

      the method comprising:

      a) determining if a table stored in the domain name server contains an entry corresponding to the server name provided by the user to the user proxy,

      b) determining, when there is such an entry in the table, whether the entry includes an address of a proxy amongst the plurality of proxies,

      c) returning the proxy IP address to the user proxy if such a proxy IP address is included in the entry corresponding to the server name, and

      d) sending the user request from the user proxy to the proxy IP address included in the entry.

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3. (Cancelled).

4. (Previously Presented) Method according to claim 2, further comprising:

determining whether the user proxy is a known proxy, the user proxy being a known proxy when it is contained in a list of proxies provided to the domain name server at an initialization of the system.